

ABSTRACT

A system for operation of an electric generator from a main engine having a varying rotational speed comprises a variable hydraulic pump connected to and driven from the main engine, a hydraulic motor arranged to be driven by the hydraulic pump and to drive the electric generator, and a means for regulating the oil quantity from the pump in dependence on electric control signals supplied from an electronic frequency controller. The frequency controller is connected between a voltage output of the generator and the regulating means and is arranged to deliver said control signals in dependence on frequency deviations on the generator output, to thereby maintain the oil quantity from the pump, and therewith the generator frequency, constant.